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Model: M18EX Pro

1. INTRODUCTION

Thank you for choosing the GA-GA M18EX Pro Robotic Lawn Mower. This manual provides essential information for the safe and efficient operation, setup, and maintenance of your new robotic lawn mower. Please read this manual thoroughly before initial use and retain it for future reference.

The GA-GA M18EX Pro is designed to maintain lawns up to 1/2 acre (21,000 sq. ft.) with high efficiency, utilizing GPS navigation and intelligent path planning. It features APP control, GPS anti-theft, and an IPX5 waterproof rating for durability and convenience.



Image Description: The GA-GA M18EX Pro robotic lawn mower operating on a green lawn. Text overlay highlights "Zero Emissions Output," indicating its battery-powered nature and environmental benefits.

2. SAFETY INFORMATION

Operating any machinery carries inherent risks. Adhere to the following safety guidelines to prevent injury and damage:

- **Read the Manual:** Familiarize yourself with all instructions and warnings before operating the mower.
- **Keep Clear:** Ensure children, pets, and bystanders are kept away from the mowing area while the robot is operating.
- **Inspect Area:** Before each use, clear the lawn of any objects such as stones, toys, or wires that could be thrown by the blades or obstruct the mower.
- **Emergency Stop:** Know the location and function of the emergency stop button on the mower.
- **Sensor Integration:** The mower integrates multiple sensors (lift, tilt, rain) and an IMU navigation system with high-precision GPS. Do not attempt to bypass or disable these safety features.
- **Rain Sensor:** The robotic lawnmower has a rain sensor. If desired, it can be configured to stop working when

it starts raining.

- **Maintenance Safety:** Always turn off the mower and disconnect it from the power source before performing any maintenance, cleaning, or blade replacement.
- **Slope Operation:** The mower can handle slopes up to 33% (18 degrees). Do not operate on steeper inclines.

3. PACKAGE CONTENTS

Verify that all items are present in the package:



Image Description: An illustration detailing the contents of the GA-GA M18EX Pro package. Items include the Robotic Mower, Charging Station, 6 Spare Blades, 200m Boundary Wire (2x100m), 3m Extension Cord, Switching Power Supply, 200 Wire Pegs, 4 Wire Connectors, Quick Guide, User Manual, and APP Manual.

- Robotic Mower
- Charging Station
- Spare Blades x 6
- Boundary Wire x 200 meters (2 rolls of 100m)
- 3m Extension Cord
- Switching Power Supply
- Wire Pegs x 200
- Wire Connector x 4
- Quick Guide
- User Manual
- APP Manual

4. SPECIFICATIONS

Height Adjustment & Off-road Capability

This excellent mower gives you more alternatives for finishing a look that is unique to your tastes by allowing you to adjust the cutting height from 0.8" all the way up to 2.2". It can mow up to 0.15 acres of lawn every cycle and can even climb slopes as steep as 33% (18 degrees)!



33% Slope

Image Description: A perspective view of the GA-GA M18EX Pro robotic lawn mower with its dimensions indicated: 14 inches (width), 24 inches (length), and 12 inches (height).

Feature	Detail
Brand	GA-GA
Model Number	M18EX pro
Power Source	Battery Powered (4400mAh LI-Ion)
Material	Polypropylene
Color	White and Grey
Item Weight	18.3 Pounds
Product Dimensions (D x W x H)	18"D x 14"W x 10"H
Operation Mode	Automatic
Cutting Width	7.2 Inches
Adjustable Cutting Height	0.8 Inches to 2.2 Inches (5 positions)
Max Mowing Area	Up to 1/2 Acre / 21,000 Sq.Ft
Mowing Efficiency	Up to 1956 sq. ft (180) per hour
Noise Level	Below 60 decibels
Waterproof Rating	IPX5
Slope Capability	Up to 33% (18 degrees)
Connectivity	APP Wi-Fi Control, Dual GPS Positioning

5. SETUP GUIDE

5.1 Charging Station Placement

Select a suitable location for the charging station. It should be on a flat surface, preferably in a shaded area, and near an outdoor power outlet. Ensure there is sufficient clear space around the station for the mower to dock easily.



Image Description: The GA-GA M18EX Pro robotic lawn mower is shown docked securely in its charging station, positioned on a paved surface adjacent to a garden bed.

5.2 Boundary Wire Installation

The boundary wire defines the mowing area. The GA-GA M18EX Pro uses a base station and robot dual GPS positioning system, but boundary wires are still used to ensure the robot stays within the designated lawn area and avoids obstacles. If you have existing boundary wires from other brands, they may be compatible.

1. Plan your layout, ensuring minimum distances from obstacles and edges as shown in the diagram.
2. Lay the boundary wire around the perimeter of your lawn and any areas you want the mower to avoid (e.g., flower beds, ponds).
3. Secure the wire to the ground using the provided wire pegs. Ensure the wire is taut and flush with the ground to prevent tripping hazards and damage to the wire.
4. Connect the ends of the boundary wire to the charging station as per the detailed instructions in the APP Manual.



Image Description: A schematic diagram showing a lawn layout with recommended boundary wire placement. It illustrates minimum distances (e.g., 30cm, 100cm) from edges, obstacles like a pond and flower bed, and the charging station. The boundary wire transmits an electromagnetic signal for mower positioning.

5.3 Initial Charging

Once the charging station and boundary wire are set up, place the robotic mower onto the charging station. Ensure it makes proper contact with the charging terminals. The mower will begin charging automatically. Allow it to fully charge before its first operation.

5.4 App Connection

Download the GA-GA companion app from your device's app store. Follow the in-app instructions to connect your robotic mower to your Wi-Fi network and pair it with your smartphone. This enables remote control and scheduling.



Image Description: The GA-GA M18EX Pro robotic lawn mower is shown on a vibrant green lawn. The text overlay "APP Wi-Fi Control" indicates its capability for smartphone-based operation and management.

6. OPERATING INSTRUCTIONS

6.1 Starting and Stopping

To start the mower, press the 'Start' button on the control panel or initiate a mowing session via the app. To stop, press the 'Stop' button on the mower or use the app. The mower will return to its charging station when a session is complete or the battery is low.

6.2 Mowing Modes and Efficiency

The GA-GA M18EX Pro utilizes an intelligent algorithm with GPS navigation for efficient path planning, boosting efficiency significantly compared to random mowing patterns. It can mow up to 1956 sq. ft. (180) per hour.



Image Description: An overhead view of the GA-GA M18EX Pro robotic lawn mower on a green lawn. A white arrow illustrates its GPS path planning capability, showing a systematic mowing pattern.

The mower supports automatic recharge and re-mowing. When the 4400mAh LI-Ion battery is low, it automatically returns to the charging station. After recharging, it resumes cutting exactly where it left off, ensuring continuous coverage of your lawn without interruptions.



Image Description: The GA-GA M18EX Pro robotic lawn mower is shown near its charging station. Text highlights its 4400mAh Li-Ion battery and ability to mow up to 3230 sq. ft. per charge, emphasizing its automatic recharge and re-mowing feature.

6.3 Cutting Height Adjustment

The cutting height can be adjusted between 0.8 inches and 2.2 inches, offering 5 different positions. Refer to the mower's control panel or the app for specific instructions on how to adjust the cutting height to suit your lawn's needs.



Image Description: The GA-GA M18EX Pro robotic lawn mower is depicted on a grassy slope, demonstrating its ability to handle inclines up to 33% (18 degrees). Text also mentions adjustable cutting heights from 0.8" to 2.2".

6.4 App Control

The GA-GA app allows you to control your mower from anywhere. You can start, stop, schedule mowing times, adjust settings, and monitor the mower's status and location.



Image Description: A person is shown holding a smartphone, interacting with a mobile application that displays controls and status for a robotic lawn mower. This illustrates the "Control From Anywhere" feature.



Image Description: An aerial photograph showing a house with a surrounding lawn. A green overlay indicates the mowing path of the robotic mower, highlighting its capability to mow up to 0.25 acre (1000m²).

7. MAINTENANCE

7.1 Cleaning

The GA-GA M18EX Pro has an IPX5 waterproof rating, allowing it to be easily hosed down with a garden hose for cleaning. Ensure the mower is turned off and disconnected from the charging station before cleaning. Remove grass clippings and debris from the chassis, wheels, and cutting deck.

7.2 Blade Replacement

For optimal cutting performance, inspect the blades regularly and replace them when they become dull or damaged. Always use genuine GA-GA replacement blades. Refer to the User Manual for detailed instructions on safe blade replacement. Ensure the mower is powered off and wear protective gloves.

7.3 Storage

During off-season or extended periods of non-use, clean the mower thoroughly, fully charge the battery, and store it in a dry, frost-free location. Disconnect the charging station from power.

8. TROUBLESHOOTING

If you encounter issues with your GA-GA M18EX Pro, refer to the following common solutions:

- **Mower not starting:** Check if the battery is charged. Ensure the emergency stop button is not engaged. Verify the boundary wire is correctly installed and connected.
- **Mower not charging:** Ensure the mower is correctly docked in the charging station. Check the power supply connection to the charging station and the outlet.
- **Mower getting stuck:** Inspect the mowing area for obstacles. Adjust boundary wire placement if necessary. The mower has strong adaptability to complex terrain, but extreme conditions may still cause issues.
- **Uneven cutting:** Check if the blades are dull or damaged and replace them if needed. Ensure the cutting height is set appropriately.
- **App connectivity issues:** Ensure your mower is within Wi-Fi range and your home network is functioning correctly. Restart the app and the mower if necessary.

For more detailed troubleshooting, consult the comprehensive User Manual or the APP Manual provided in your package.

9. WARRANTY AND SUPPORT

GA-GA is committed to providing professional after-sales service. For product quality issues, we offer a 30-day unconditional return policy.

If you have any inquiries or concerns, please contact our customer support. We aim to respond within eight hours to address your issues promptly.

Customer Service: Refer to the contact information provided in your Quick Guide or User Manual.

Online Support: Visit the official GA-GA website for FAQs and additional resources.